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Mechanical Technology Incorporated Correspondence

Darle W. Dudley

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MECHANICAL TECHNOLOGY INCORPORATED

Research - Development - Manufacturing

96B ALBANY-SHAKER ROAD - LATHAM, NEW YORK - PHONE 785-0922

March 2, 1965

Mr. Maurice Knott
Morgan Construction Company
Worcester, Mass. 01605

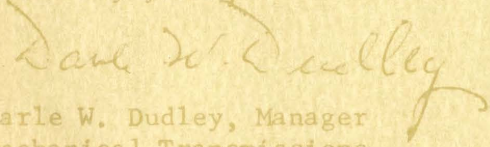
Dear Maurice:

Enclosed with this letter you will find the new specifications for the 61/80 tooth ratio for mesh No. 1.

I calculated the tooth loads using the same horsepower as before. Possibly the horsepower is going to change a slight amount. The tooth loads are low enough so that any small change in horsepower would not be critical.

You may also note that some of the dimensions are only given to five decimal places instead of six as before. Actually, five decimal places is on the generous side. In actual use inspection machinery for measuring the profile will only work to about the fourth decimal place in most cases. On jobs like this I think it is simpler to give the values a little on the generous side as far as decimal places go and then it is not necessary to try to guess exactly how far anybody's checking machine can go in using these numbers.

Sincerely yours,


Darle W. Dudley, Manager
Mechanical Transmissions

DWD/dk

Attachment